



# CALIFORNIA AGRICULTURAL EMPLOYMENT AND EARNINGS BULLETIN

November 1993

## OCTOBER 1993

This bulletin covers 27 agricultural industries in the state of California. The number of industries range from five to seventeen within each of six geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley and North Coast (refer to map for details). The data are organized into the following tables by state and region:

- Wage and Salary Workers (Table A).
- Agricultural Production Workers (Table B).
- Average Weekly Earnings of Production Workers (Table C).
- Average Hours Worked by Production Workers (Table D).
- Average Hourly Earnings of Production Workers (Table E).

Statewide agricultural employment was 365,500 in October, a decline of 68,300 from the September level of 433,800. (Table 1-A.) This was three percent above the October 1992 total. Employment declined in the San Joaquin Valley (Grapes, Farm Labor Contracting and General Crop Farms), Central Coast (Berries, Farm Labor Contracting and Vegetables & Melons), North Coast (Grapes and Farm Labor Contracting) Sacramento Valley (Farm Labor Contracting, General Crop Farms and Vegetables & Melons) and the South Coast. Only the Desert Region had increased employment (Farm Labor Contracting and General Crop Farms).

### Wage and Salary Workers in Agricultural Establishments

For October 1993

(In Thousands)

Industry	State- wide	San Joaquin	South Coast	Central Coast	Desert	Sacra- mento	North Coast
Total Agricultural	365.5	164.0	57.5	64.2	33.6	32.0	15.8
Total Crops	209.8	80.0	40.7	41.4	12.6	24.4	11.9
Total Livestock	25.6	13.2	2.3	1.0	5.4	2.1	2.0
Total Services	130.1	70.8	14.5	21.8	15.6	5.5	1.9

Source: Tables 1-A through 7-A.

## CHANGES FROM ONE YEAR AGO

California's agricultural employment was 9,900 above the October 1992 total. Fruits & Tree Nuts and Farm Labor Contracting accounted for most of this gain. All regions except the South Coast recorded employment levels above a year ago. (Tables 1-A through 7-A.)

The average hourly earnings figure in California for October 1993 was \$6.68, eight cents above the year ago level. (Table 1-E).

## REGIONAL CROP ACTIVITIES

According to the California Farm Labor Report (881A), the major regional crop activities during October were:

- Desert: Melons (harvest), lettuce and sugar beets (preharvest).
- South Coast: Broccoli (harvest), tomatoes and horticulture (plant, cultivate & harvest), strawberries (bedforming).
- Central Coast: Lettuce and strawberries (harvest), miscellaneous vegetables (preharvest & harvest), horticulture (plant, cultivate & harvest).
- San Joaquin Valley: Plums, lettuce, garlic, cotton, pistachios, corn for silage, olives, grapes -table & wine - and Valencia oranges (harvest); miscellaneous vegetables (plant, cultivate & harvest); cotton (chop, weed).
- Sacramento Valley: Kiwi and olives (harvest).
- North Coast: Wine grapes (harvest).

## AGRICULTURAL PRODUCTION WORKERS

Statewide agricultural production worker employment was 337,600 in October, down 68,700 from the September level of 406,300. (Table 1-B.)

Production worker average weekly earnings in California were \$277.22 in October. Regional averages ranged from a low of \$257.42 in the Desert to a high of \$303.73 in the Central Coast. (Tables 1-C through 7-C.)

California's average hourly work week was 41.5 hours in October, 2.6 hours below the September level. The region with the shortest work week was the North Coast at 35.2 hours. The longest work week was in the Sacramento Valley at 45.2 hours. (Tables 1-D through 7-D.)

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## Average Hourly Earnings of Production Workers

For October 1993

(In Dollars per Hour)

Industry	State- wide	San Joaquin	South Coast	Central Coast	Desert	Sacra- mento	North Coast
Total Agricultural	6.68	6.53	6.52	7.39	6.55	6.54	7.52
Total Crops	6.60	6.37	6.44	7.20	6.38	6.53	7.46
Total Livestock	7.24	7.24	6.98	7.58	8.18	6.64	6.72
Total Services	6.70	6.57	6.69	7.77	5.98	6.56	8.90

Source: Tables 1-E through 7-E.

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### DATA SOURCES:

The data are obtained from two sources: the Employment Development Department (EDD) Unemployment Insurance (UI) files, and a monthly survey, conducted by the Labor Market Information Division of EDD, of 4,000 agricultural employers. This sample, about 14 percent of the employers, was selected to be statistically representative of the state's agricultural employers by size, geographic location and industry categories.

Sample data are gathered for the week that includes the 12th calendar day of the month; thus all data in these bulletins represent activities taking place during this mid-month period.

### DATA COMMENTS:

**ESTIMATES FOR THE STATE AND SIX REGIONS ARE INDEPENDENTLY DERIVED. THEREFORE, THE SUM OF THE REGIONAL ESTIMATES WILL NOT NECESSARILY EQUAL THE STATEWIDE TOTAL.**

To aid in accurate usage and interpretation of the data, please note the following:

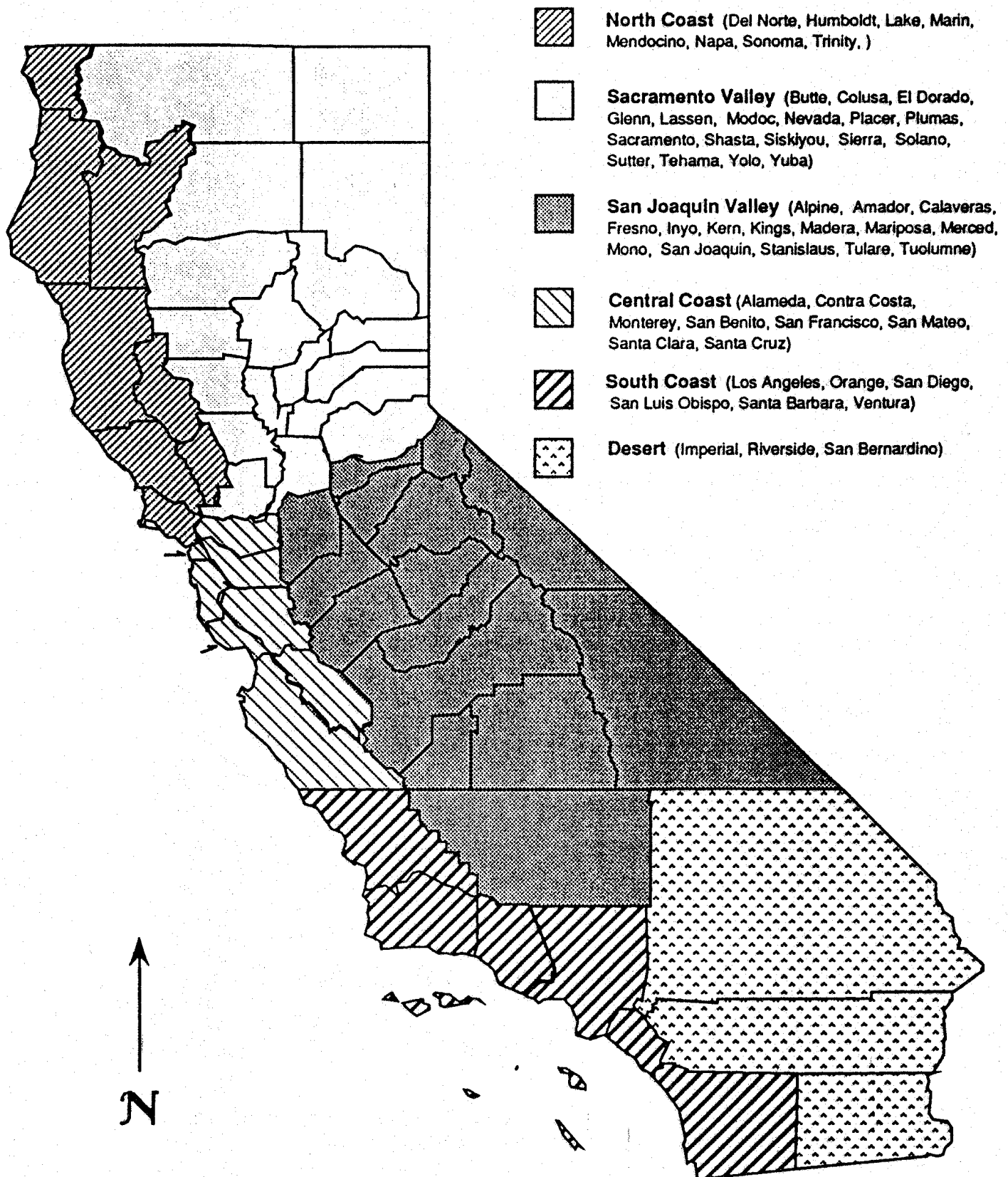
- Employment data do not include employers or unpaid family workers.
- Figures for the current month are preliminary and subject to revision.
- Total agricultural employment estimates in this bulletin are derived from a monthly sampling project: the Current Employment Statistics for Agriculture. Estimates in this bulletin will differ from other agricultural estimates published by this department because of differences in the number of agricultural industries covered and in the definition of workers.

If you wish to be placed on our mailing list to receive future issues of this publication, please send your name and address to: **Special Projects Unit, Labor Market Information Division, Employment Development Department, P.O. Box 826216, Sacramento, CA 94299-0019** or call (916) 262-2321. (Calnet 8-469-2321).

# CES-AG REPORTING REGIONS

## LABOR MARKET INFORMATION DIVISION

### EMPLOYMENT DEVELOPMENT DEPARTMENT



# CALIFORNIA

## Wage and Salary Employment

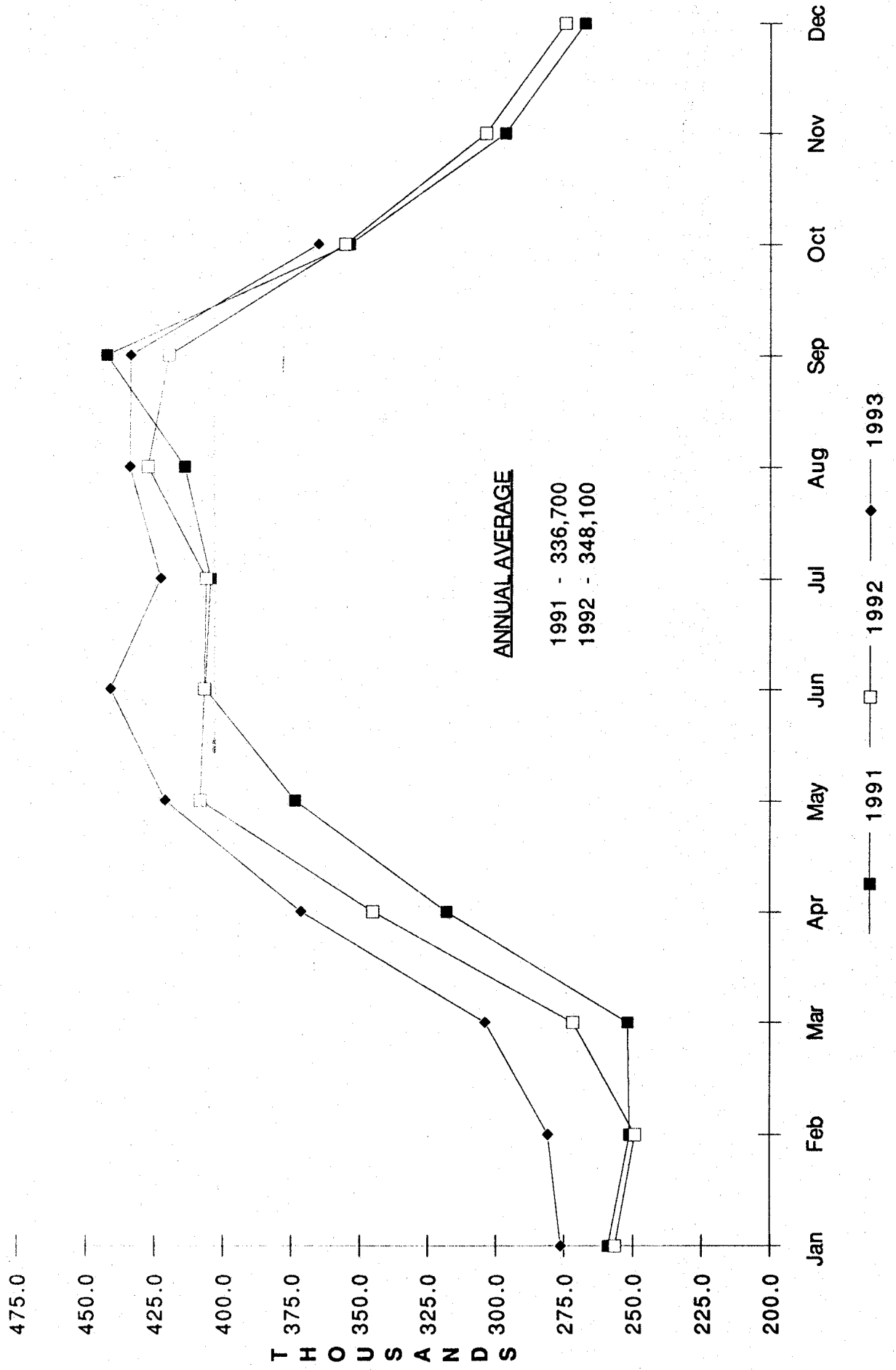


TABLE 1-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
CALIFORNIA  
(IN THOUSANDS)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	365.5	433.8	355.6
TOTAL AGRICULTURAL PRODUCTION/CROPS	209.8	250.6	203.1
CASH GRAINS	3.5	3.2	3.2
RICE	2.3	1.9	1.9
OTHER CASH GRAINS	1.2	1.3	1.3
FIELD CROPS EXCEPT CASH GRAINS	12.7	11.6	12.6
COTTON	6.5	5.7	6.9
OTHER FIELD CROPS	6.2	5.9	5.7
VEGETABLES AND MELONS	32.8	35.9	31.3
TOTAL FRUITS AND TREE NUTS	90.1	124.8	86.6
BERRIES	16.4	14.8	16.6
GRAPES	30.4	60.0	30.7
TREE NUTS	9.7	10.7	9.5
CITRUS FRUITS	5.4	5.1	4.7
DECIDUOUS TREE FRUIT	13.1	17.2	12.6
OTHER FRUITS AND NUTS	15.1	17.0	12.5
TOTAL HORTICULTURAL SPECIALTIES	32.6	30.5	34.5
ORNAMENTAL FLORAL & NURSERY	29.1	27.0	31.1
FOOD CROPS GROWN UNDER COVER	3.5	3.5	3.4
GENERAL FARM PRIMARILY CROP	38.1	44.6	34.9
TOTAL AGRIC PRODUCTION/LIVESTOCK	25.6	25.9	26.2
BEEF CATTLE FEED LOTS	0.6	0.6	0.7
BEEF CATTLE EXCEPT FEED LOTS	3.7	3.7	3.9
DAIRY FARMS	13.4	13.4	13.2
CHICKEN EGGS	2.7	2.8	2.8
TURKEYS & TURKEY EGGS	1.1	1.1	1.1
OTHER LIVESTOCK	4.1	4.3	4.5
TOTAL AGRICULTURAL SERVICES	130.1	157.3	126.3
SOIL PREPARATION SERVICES	1.2	1.2	1.1
CROP SERVICES	45.2	47.0	47.2
PLANT CULTIVATE & PROTECTION	5.2	4.9	5.5
HARVEST PRIMARILY BY MACHINE	6.7	6.9	7.7
PREPARATION SVCS FOR MARKET	31.4	34.3	31.7
COTTON GINNING	1.9	0.9	2.3
TOTAL FARM LABOR & MANAGEMENT	83.7	109.1	78.0
FARM LABOR CONTRACTORS	73.6	96.2	67.5
FARM MANAGEMENT SERVICES	10.1	12.9	10.5

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 1-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
CALIFORNIA  
(IN THOUSANDS)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	337.6	406.3	326.9
TOTAL AGRICULTURAL PRODUCTION/CROPS	191.4	232.6	184.5
CASH GRAINS	3.1	2.8	2.8
RICE	2.0	1.7	1.6
OTHER CASH GRAINS	1.1	1.1	1.2
FIELD CROPS EXCEPT CASH GRAINS	11.5	10.5	11.7
COTTON	5.9	5.1	6.5
OTHER FIELD CROPS	5.6	5.4	5.2
VEGETABLES AND MELONS	30.2	33.3	28.5
TOTAL FRUITS AND TREE NUTS	84.5	119.4	80.9
BERRIES	16.1	14.5	16.3
GRAPES	28.2	57.7	28.3
TREE NUTS	9.0	10.0	8.6
CITRUS FRUITS	4.7	4.7	4.2
DECIDUOUS TREE FRUIT	12.2	16.3	11.6
OTHER FRUITS AND NUTS	14.3	16.2	11.9
TOTAL HORTICULTURAL SPECIALTIES	27.2	25.1	29.1
ORNAMENTAL FLORAL & NURSERY	24.2	22.1	26.2
FOOD CROPS GROWN UNDER COVER	3.0	3.0	2.9
GENERAL FARM PRIMARILY CROP	34.9	41.5	31.5
TOTAL AGRIC PRODUCTION/LIVESTOCK	22.5	22.8	22.8
BEEF CATTLE FEED LOTS	0.5	0.5	0.5
BEEF CATTLE EXCEPT FEED LOTS	3.0	3.0	3.3
DAIRY FARMS	12.5	12.6	12.3
CHICKEN EGGS	2.1	2.2	2.1
TURKEYS & TURKEY EGGS	0.8	0.8	0.8
OTHER LIVESTOCK	3.6	3.7	3.8
TOTAL AGRICULTURAL SERVICES	123.7	150.9	119.6
SOIL PREPARATION SERVICES	0.9	1.0	0.9
CROP SERVICES	40.9	42.8	42.9
PLANT CULTIVATE & PROTECTION	4.5	4.2	4.5
HARVEST PRIMARILY BY MACHINE	6.3	6.5	7.4
PREPARATION SVCS FOR MARKET	28.5	31.5	29.0
COTTON GINNING	1.6	0.6	2.0
TOTAL FARM LABOR & MANAGEMENT	81.9	107.1	75.8
FARM LABOR CONTRACTORS	72.6	95.1	66.5
FARM MANAGEMENT SERVICES	9.3	12.0	9.3

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 1-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
CALIFORNIA  
(IN DOLLARS PER WEEK)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	277.22	288.86	275.88
TOTAL AGRICULTURAL PRODUCTION/CROPS	283.14	286.67	285.56
CASH GRAINS	385.20	353.97	402.41
RICE	396.75	355.46	442.54
OTHER CASH GRAINS	362.97	351.68	347.46
FIELD CROPS EXCEPT CASH GRAINS	372.96	305.14	361.67
COTTON	432.60	296.44	374.79
OTHER FIELD CROPS	310.88	314.23	345.87
VEGETABLES AND MELONS	327.88	314.43	320.92
TOTAL FRUITS AND TREE NUTS	247.50	267.52	246.80
BERRIES	212.71	280.90	250.10
GRAPES	266.17	262.00	247.30
TREE NUTS	268.49	296.21	264.81
CITRUS FRUITS	292.60	278.54	261.35
DECIDUOUS TREE FRUIT	224.06	253.27	220.78
OTHER FRUITS AND NUTS	241.80	268.32	247.23
TOTAL HORTICULTURAL SPECIALTIES	293.57	319.21	299.78
ORNAMENTAL FLORAL & NURSERY	285.78	314.50	292.35
FOOD CROPS GROWN UNDER COVER	354.24	354.70	365.77
GENERAL FARM PRIMARILY CROP	286.01	289.84	301.00
TOTAL AGRIC PRODUCTION/LIVESTOCK	341.00	340.28	333.66
BEEF CATTLE FEED LOTS	380.35	380.51	368.29
BEEF CATTLE EXCEPT FEED LOTS	339.41	321.48	322.64
DAIRY FARMS	359.16	357.19	350.17
CHICKEN EGGS	299.25	310.28	296.67
TURKEYS & TURKEY EGGS	337.00	372.77	325.31
OTHER LIVESTOCK	296.46	304.06	308.38
TOTAL AGRICULTURAL SERVICES	255.27	283.80	250.88
SOIL PREPARATION SERVICES	523.69	520.14	510.61
CROP SERVICES	291.34	319.45	274.89
PLANT CULTIVATE & PROTECTION	304.44	318.86	313.09
HARVEST PRIMARILY BY MACHINE	316.33	336.16	268.92
PREPARATION SVCS FOR MARKET	280.28	315.51	264.70
COTTON GINNING	343.10	370.96	352.64
TOTAL FARM LABOR & MANAGEMENT	234.73	267.69	234.42
FARM LABOR CONTRACTORS	230.99	265.51	230.32
FARM MANAGEMENT SERVICES	264.26	283.04	266.17

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.



TABLE 1-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
CALIFORNIA  
(IN HOURS PER WEEK)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	41.5	44.1	41.8
TOTAL AGRICULTURAL PRODUCTION/CROPS	42.9	43.9	44.0
CASH GRAINS	53.5	51.3	55.2
RICE	52.9	48.1	58.0
OTHER CASH GRAINS	54.5	56.0	51.4
FIELD CROPS EXCEPT CASH GRAINS	56.0	46.8	55.9
COTTON	60.0	42.9	56.7
OTHER FIELD CROPS	51.9	50.6	54.9
VEGETABLES AND MELONS	45.1	44.6	45.2
TOTAL FRUITS AND TREE NUTS	39.1	41.8	39.3
BERRIES	35.1	44.8	40.8
GRAPES	39.2	38.7	36.8
TREE NUTS	45.2	49.7	45.5
CITRUS FRUITS	38.5	38.0	35.9
DECIDUOUS TREE FRUIT	38.3	44.2	38.0
OTHER FRUITS AND NUTS	40.3	43.7	41.0
TOTAL HORTICULTURAL SPECIALTIES	43.3	46.6	43.7
ORNAMENTAL FLORAL & NURSERY	43.3	46.8	43.7
FOOD CROPS GROWN UNDER COVER	43.2	45.3	43.7
GENERAL FARM PRIMARILY CROP	44.9	46.3	50.0
TOTAL AGRIC PRODUCTION/LIVESTOCK	47.1	47.0	46.6
BEEF CATTLE FEED LOTS	52.9	51.7	56.4
BEEF CATTLE EXCEPT FEED LOTS	44.6	42.3	45.7
DAIRY FARMS	49.2	49.2	48.1
CHICKEN EGGS	47.5	46.8	43.5
TURKEYS & TURKEY EGGS	50.6	54.9	52.3
OTHER LIVESTOCK	39.9	41.2	41.9
TOTAL AGRICULTURAL SERVICES	38.1	44.0	37.5
SOIL PREPARATION SERVICES	54.1	55.1	53.3
CROP SERVICES	39.8	43.7	38.5
PLANT CULTIVATE & PROTECTION	40.7	43.5	44.6
HARVEST PRIMARILY BY MACHINE	40.4	44.0	36.0
PREPARATION SVCS FOR MARKET	39.2	43.7	37.6
COTTON GINNING	44.1	43.9	46.4
TOTAL FARM LABOR & MANAGEMENT	37.2	44.1	36.8
FARM LABOR CONTRACTORS	36.9	44.4	36.5
FARM MANAGEMENT SERVICES	39.5	41.2	39.2

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 1-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
CALIFORNIA  
(IN DOLLARS PER HOUR)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	6.68	6.55	6.60
TOTAL AGRICULTURAL PRODUCTION/CROPS	6.60	6.53	6.49
CASH GRAINS	7.20	6.90	7.29
RICE	7.50	7.39	7.63
OTHER CASH GRAINS	6.66	6.28	6.76
FIELD CROPS EXCEPT CASH GRAINS	6.66	6.52	6.47
COTTON	7.21	6.91	6.61
OTHER FIELD CROPS	5.99	6.21	6.30
VEGETABLES AND MELONS	7.27	7.05	7.10
TOTAL FRUITS AND TREE NUTS	6.33	6.40	6.28
BERRIES	6.06	6.27	6.13
GRAPES	6.79	6.77	6.72
TREE NUTS	5.94	5.96	5.82
CITRUS FRUITS	7.60	7.33	7.28
DECIDUOUS TREE FRUIT	5.85	5.73	5.81
OTHER FRUITS AND NUTS	6.00	6.14	6.03
TOTAL HORTICULTURAL SPECIALTIES	6.78	6.85	6.86
ORNAMENTAL FLORAL & NURSERY	6.60	6.72	6.69
FOOD CROPS GROWN UNDER COVER	8.20	7.83	8.37
GENERAL FARM PRIMARILY CRDP	6.37	6.26	6.02
TOTAL AGRIC PRODUCTION/LIVESTOCK	7.24	7.24	7.16
BEEF CATTLE FEED LOTS	7.19	7.36	6.53
BEEF CATTLE EXCEPT FEED LOTS	7.61	7.60	7.06
DAIRY FARMS	7.30	7.26	7.28
CHICKEN EGGS	6.30	6.63	6.82
TURKEYS & TURKEY EGGS	6.66	6.79	6.22
OTHER LIVESTOCK	7.43	7.38	7.36
TOTAL AGRICULTURAL SERVICES	6.70	6.45	6.69
SOIL PREPARATION SERVICES	9.68	9.44	9.58
CROP SERVICES	7.32	7.31	7.14
PLANT CULTIVATE & PROTECTION	7.48	7.33	7.02
HARVEST PRIMARILY BY MACHINE	7.83	7.64	7.47
PREPARATION SVCS FOR MARKET	7.15	7.22	7.04
COTTON GINNING	7.78	8.45	7.60
TOTAL FARM LABOR & MANAGEMENT	6.31	6.07	6.37
FARM LABOR CONTRACTORS	6.26	5.98	6.31
FARM MANAGEMENT SERVICES	6.69	6.87	6.79

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

**SAN JOAQUIN**  
**Wage and Salary Employer**

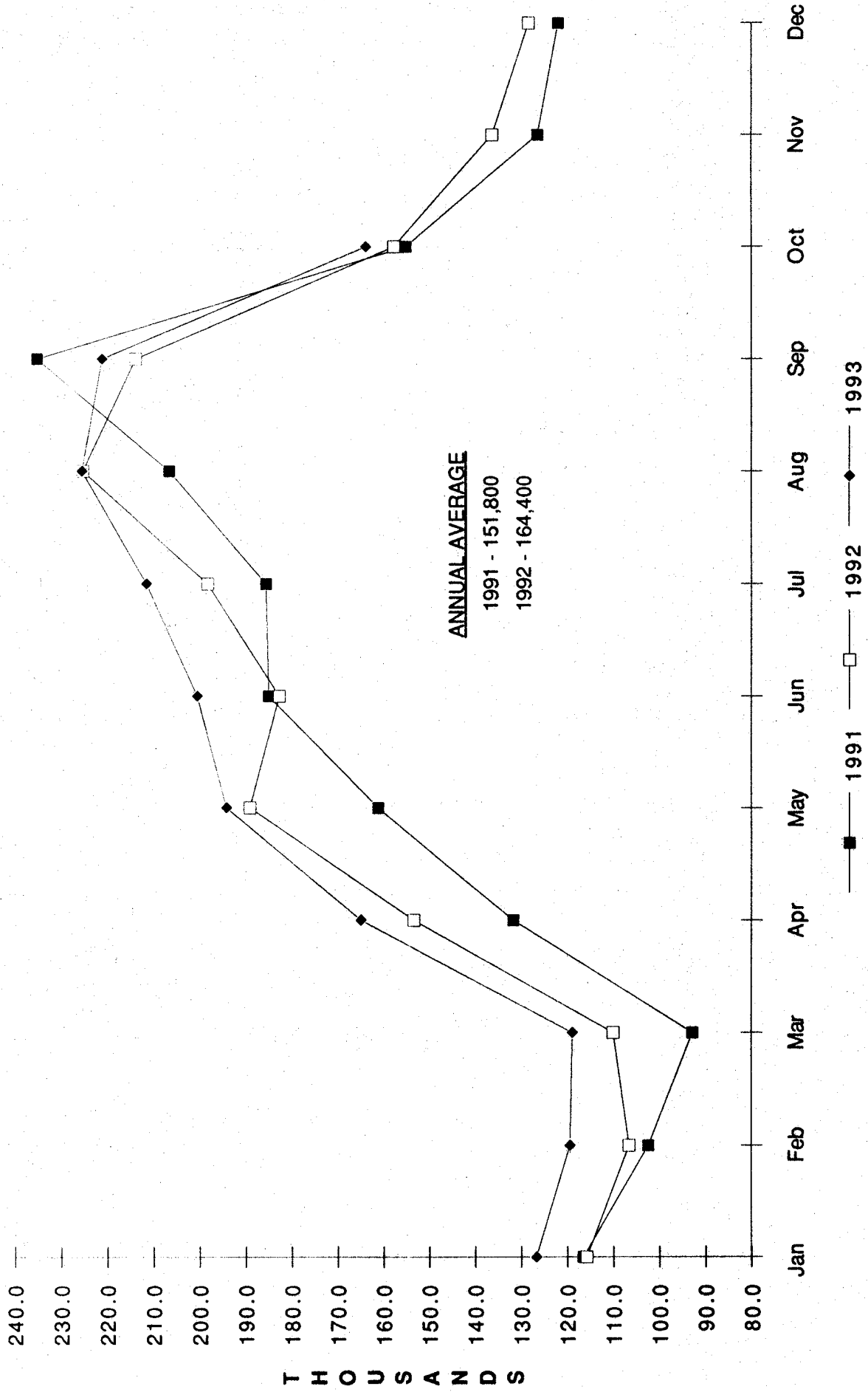


TABLE 2-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
SAN JOAQUIN VALLEY REGION  
(IN THOUSANDS)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	164.0	221.3	157.9
TOTAL AGRICULTURAL PRODUCTION/CROPS	80.0	112.8	76.5
TOTAL FIELD CROPS	10.3	9.1	10.4
COTTON	6.3	5.5	6.7
OTHER FIELD CROPS	4.0	3.6	3.7
VEGETABLES AND MELONS	5.6	7.3	4.1
TOTAL FRUITS AND TREE NUTS	42.6	70.3	41.2
GRAPES	19.8	42.3	19.3
TREE NUTS	6.4	7.5	6.4
CITRUS FRUITS	2.2	2.0	2.2
DECIDUOUS TREE FRUIT	6.7	8.8	6.0
OTHER FRUITS AND NUTS	7.5	9.7	7.3
HORTICULTURAL SPECIALTIES	2.6	2.5	3.3
GENERAL FARM PRIMARILY CROP	18.9	23.6	17.5
TOTAL AGRIC PRODUCTION/LIVESTOCK	13.2	13.0	13.4
BEEF CATTLE FEED LOTS	0.2	0.2	0.2
BEEF CATTLE EXCEPT FEED LOTS	1.1	1.0	1.2
DAIRY FARMS	8.7	8.6	8.5
POULTRY & EGGS	1.9	2.0	2.2
OTHER LIVESTOCK	1.3	1.2	1.3
TOTAL AGRICULTURAL SERVICES	70.8	95.5	68.0
CROP SERVICES	20.7	21.3	24.3
PLANT CULTIVATE & PROTECTION	3.3	3.4	3.4
HARVEST PRIMARILY BY MACHINE	2.6	2.2	3.2
PREPARATION SVCS FOR MARKET	13.0	15.0	15.4
COTTON GINNING	1.8	0.7	2.3
TOTAL FARM LABOR & MANAGEMENT	50.1	74.2	43.7
FARM LABOR CONTRACTORS	45.1	68.0	38.4
FARM MANAGEMENT SERVICES	5.0	6.2	5.3

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 2-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
SAN JOAQUIN VALLEY REGION  
(IN THOUSANDS)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	153.8	211.0	147.0
TOTAL AGRICULTURAL PRODUCTION/CROPS	74.5	107.4	70.9
TOTAL FIELD CROPS	9.5	8.2	9.6
COTTON	5.8	4.9	6.2
OTHER FIELD CROPS	3.7	3.3	3.4
VEGETABLES AND MELONS	5.0	6.8	3.7
TOTAL FRUITS AND TREE NUTS	40.6	68.3	39.0
GRAPES	19.1	41.7	18.6
TREE NUTS	5.9	7.0	5.8
CITRUS FRUITS	2.0	1.9	2.0
DECIDUOUS TREE FRUIT	6.4	8.4	5.7
OTHER FRUITS AND NUTS	7.2	9.3	6.9
HORTICULTURAL SPECIALTIES	2.2	2.1	2.8
GENERAL FARM PRIMARILY CROP	17.2	22.0	15.8
TOTAL AGRIC PRODUCTION/LIVESTOCK	12.0	11.9	12.1
BEEF CATTLE FEED LOTS	0.2	0.2	0.2
BEEF CATTLE EXCEPT FEED LOTS	0.9	0.9	1.0
DAIRY FARMS	8.1	8.0	7.9
POULTRY & EGGS	1.7	1.8	1.9
OTHER LIVESTOCK	1.1	1.0	1.1
TOTAL AGRICULTURAL SERVICES	67.3	91.7	64.0
CROP SERVICES	18.4	18.9	21.4
PLANT CULTIVATE & PROTECTION	2.8	2.9	2.8
HARVEST PRIMARILY BY MACHINE	2.3	1.9	3.0
PREPARATION SVCS FOR MARKET	11.7	13.6	13.7
COTTON GINNING	1.6	0.5	1.9
TOTAL FARM LABOR & MANAGEMENT	48.9	72.8	42.6
FARM LABOR CONTRACTORS	44.3	67.0	37.9
FARM MANAGEMENT SERVICES	4.6	5.8	4.7

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 2-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
SAN JOAQUIN VALLEY REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	278.18	285.03	265.23
TOTAL AGRICULTURAL PRODUCTION/CROPS	279.64	271.96	273.68
TOTAL FIELD CROPS	394.46	305.70	374.68
COTTON	432.48	295.48	374.69
OTHER FIELD CROPS	336.30	319.03	375.11
VEGETABLES AND MELONS	242.89	259.13	286.04
TOTAL FRUITS AND TREE NUTS	253.34	263.13	236.60
GRAPES	268.79	256.37	230.48
TREE NUTS	273.31	301.92	254.99
CITRUS FRUITS	254.18	238.63	244.93
DECIDUOUS TREE FRUIT	208.42	256.73	205.90
OTHER FRUITS AND NUTS	234.96	275.06	258.54
HORTICULTURAL SPECIALTIES	268.33	431.43	261.30
GENERAL FARM PRIMARILY CROP	292.56	276.07	305.02
TOTAL AGRIC PRODUCTION/LIVESTOCK	351.14	353.80	339.39
BEEF CATTLE FEED LOTS	374.51	381.77	412.25
BEEF CATTLE EXCEPT FEED LOTS	347.76	349.67	340.63
DAIRY FARMS	364.54	363.31	344.62
POULTRY & EGGS	317.29	339.48	322.14
OTHER LIVESTOCK	299.19	298.90	320.16
TOTAL AGRICULTURAL SERVICES	264.11	291.40	242.17
CROP SERVICES	290.24	317.55	268.81
PLANT CULTIVATE & PROTECTION	381.28	343.93	376.66
HARVEST PRIMARILY BY MACHINE	306.59	417.01	283.61
PREPARATION SVCS FOR MARKET	260.91	296.94	232.01
COTTON GINNING	325.08	350.06	348.69
TOTAL FARM LABOR & MANAGEMENT	253.83	285.01	228.60
FARM LABOR CONTRACTORS	250.51	282.61	222.90
FARM MANAGEMENT SERVICES	287.06	307.38	272.31

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 2-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
SAN JOAQUIN VALLEY REGION  
(IN HOURS PER WEEK)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	42.6	45.1	41.9
TOTAL AGRICULTURAL PRODUCTION/CROPS	43.9	43.1	44.0
TOTAL FIELD CROPS	58.7	46.6	58.0
COTTON	59.9	42.7	56.6
OTHER FIELD CROPS	57.0	52.3	60.6
VEGETABLES AND MELONS	38.8	44.6	48.4
TOTAL FRUITS AND TREE NUTS	40.6	41.7	38.1
GRAPES	41.1	39.2	35.9
TREE NUTS	46.8	51.0	44.5
CITRUS FRUITS	35.8	33.8	35.6
DECIDUOUS TREE FRUIT	36.5	45.6	35.5
OTHER FRUITS AND NUTS	38.9	43.8	41.3
HORTICULTURAL SPECIALTIES	37.9	54.2	36.7
GENERAL FARM PRIMARILY CROP	46.0	44.6	50.5
TOTAL AGRIC PRODUCTION/LIVESTOCK	48.5	48.8	47.6
BEEF CATTLE FEED LOTS	51.8	51.8	61.9
BEEF CATTLE EXCEPT FEED LOTS	42.0	43.6	45.6
DAIRY FARMS	49.8	49.7	47.6
POULTRY & EGGS	44.5	46.0	45.5
OTHER LIVESTOCK	49.7	49.9	50.9
TOTAL AGRICULTURAL SERVICES	40.2	47.0	38.5
CROP SERVICES	40.2	43.8	39.3
PLANT CULTIVATE & PROTECTION	47.6	44.9	47.8
HARVEST PRIMARILY BY MACHINE	40.5	55.9	36.5
PREPARATION SVCS FOR MARKET	38.2	42.0	37.3
COTTON GINNING	42.0	40.8	45.7
TOTAL FARM LABOR & MANAGEMENT	40.1	47.9	38.1
FARM LABOR CONTRACTORS	39.7	47.9	37.4
FARM MANAGEMENT SERVICES	44.3	47.0	43.5

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 2-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
SAN JOAQUIN VALLEY REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	6.53	6.32	6.33
TOTAL AGRICULTURAL PRODUCTION/CROPS	6.37	6.31	6.22
TOTAL FIELD CROPS	6.72	6.56	6.46
COTTON	7.22	6.92	6.62
OTHER FIELD CROPS	5.90	6.10	6.19
VEGETABLES AND MELONS	6.26	5.81	5.91
TOTAL FRUITS AND TREE NUTS	6.24	6.31	6.21
GRAPES	6.54	6.54	6.42
TREE NUTS	5.84	5.92	5.73
CITRUS FRUITS	7.10	7.06	6.88
DECIDUOUS TREE FRUIT	5.71	5.63	5.80
OTHER FRUITS AND NUTS	6.04	6.28	6.26
HORTICULTURAL SPECIALTIES	7.08	7.96	7.12
GENERAL FARM PRIMARILY CROP	6.36	6.19	6.04
TOTAL AGRIC PRODUCTION/LIVESTOCK	7.24	7.25	7.13
BEEF CATTLE FEED LOTS	7.23	7.37	6.66
BEEF CATTLE EXCEPT FEED LOTS	8.28	8.02	7.47
DAIRY FARMS	7.32	7.31	7.24
POULTRY & EGGS	7.13	7.38	7.08
OTHER LIVESTOCK	6.02	5.99	6.29
TOTAL AGRICULTURAL SERVICES	6.57	6.20	6.29
CROP SERVICES	7.22	7.25	6.84
PLANT CULTIVATE & PROTECTION	8.01	7.66	7.88
HARVEST PRIMARILY BY MACHINE	7.57	7.46	7.77
PREPARATION SVCS FOR MARKET	6.83	7.07	6.22
COTTON GINNING	7.74	8.58	7.63
TOTAL FARM LABOR & MANAGEMENT	6.33	5.95	6.00
FARM LABOR CONTRACTORS	6.31	5.90	5.96
FARM MANAGEMENT SERVICES	6.48	6.54	6.26

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.



# SOUTH COAST

## Wage and Salary Employment

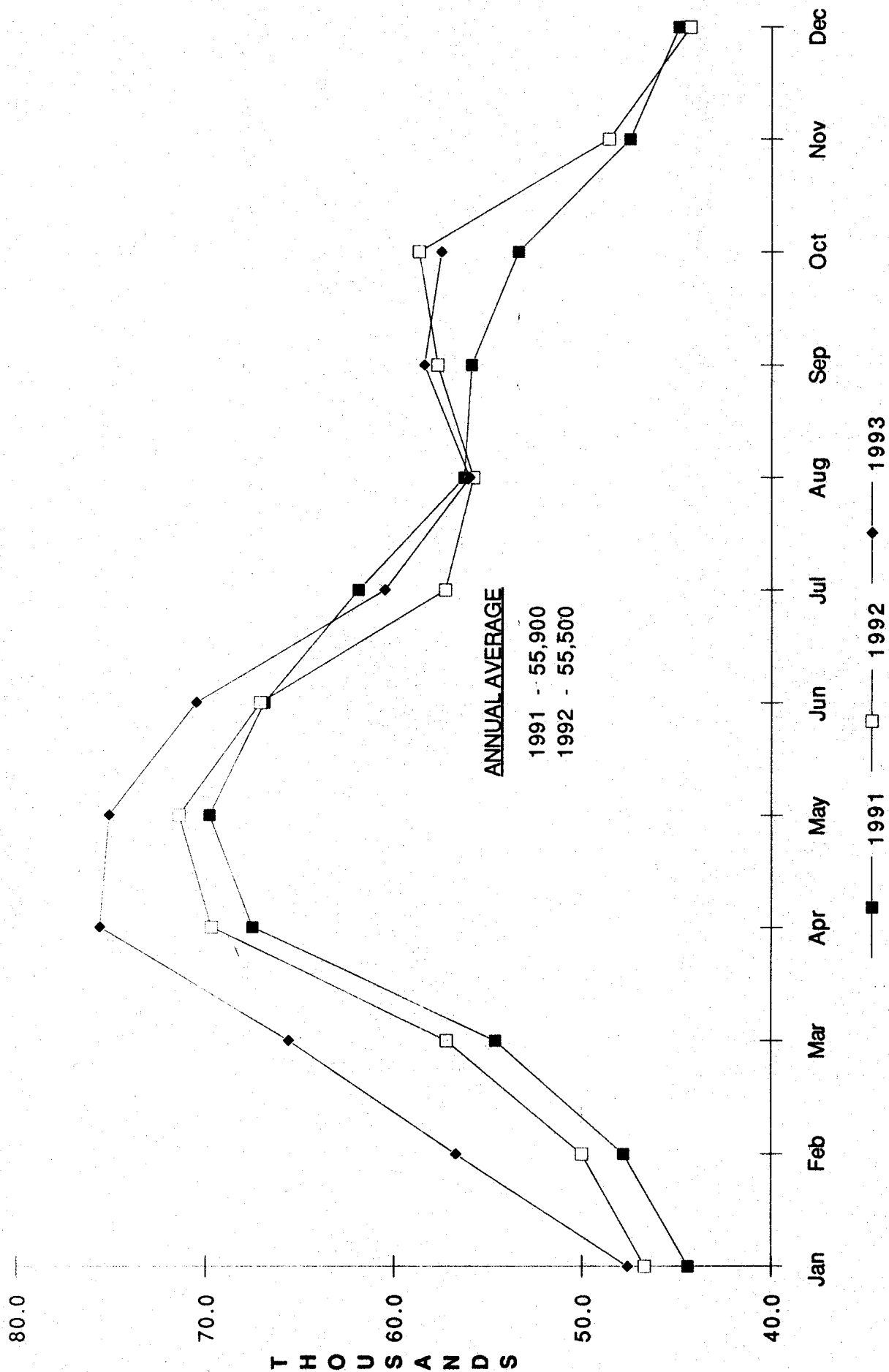


TABLE 3-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
SOUTH COAST REGION  
(IN THOUSANDS)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	57.5	58.4	58.7
TOTAL AGRICULTURAL PRODUCTION/CROPS	40.7	39.9	41.2
VEGETABLES AND MELONS	7.4	7.4	7.8
TOTAL FRUITS AND TREE NUTS	12.7	10.0	13.2
BERRIES	7.3	3.6	8.1
CITRUS FRUITS	1.5	1.7	1.6
OTHER FRUITS AND NUTS	3.9	4.7	3.5
TOTAL HORTICULTURAL SPECIALTIES	13.9	14.3	14.6
ORNAMENTAL FLORAL & NURSERY	13.1	13.4	13.8
FOOD CROPS GROWN UNDER COVER	0.8	0.9	0.8
GENERAL FARM PRIMARILY CROP	6.7	8.2	5.6
TOTAL AGRIC PRODUCTION/LIVESTOCK	2.3	2.3	2.2
TOTAL AGRICULTURAL SERVICES	14.5	16.2	15.3
CROP SERVICES	4.0	4.4	4.0
HARVEST PRIMARILY BY MACHINE	1.7	1.7	1.8
PREPARATION SVCS FOR MARKET	2.3	2.7	2.2
TOTAL FARM LABOR & MANAGEMENT	10.5	11.8	11.3
FARM LABOR CONTRACTORS	8.3	9.6	9.6
FARM MANAGEMENT SERVICES	2.2	2.2	1.7

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 3-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
SOUTH COAST REGION  
(IN THOUSANDS)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	51.8	52.6	52.8
TOTAL AGRICULTURAL PRODUCTION/CROPS	36.1	35.2	36.5
VEGETABLES AND MELONS	6.8	6.8	7.3
TOTAL FRUITS AND TREE NUTS	11.9	9.2	12.3
BERRIES	7.0	3.4	7.9
CITRUS FRUITS	1.2	1.4	1.2
OTHER FRUITS AND NUTS	3.7	4.4	3.2
TOTAL HORTICULTURAL SPECIALTIES	11.5	11.8	11.8
ORNAMENTAL FLORAL & NURSERY	10.8	11.0	11.1
FOOD CROPS GROWN UNDER COVER	0.7	0.8	0.7
GENERAL FARM PRIMARILY CROP	5.9	7.4	5.1
TOTAL AGRIC PRODUCTION/LIVESTOCK	2.0	2.0	1.8
TOTAL AGRICULTURAL SERVICES	13.7	15.4	14.5
CROP SERVICES	3.8	4.2	3.8
HARVEST PRIMARILY BY MACHINE	1.6	1.6	1.7
PREPARATION SVCS FOR MARKET	2.2	2.6	2.1
TOTAL FARM LABOR & MANAGEMENT	9.9	11.2	10.7
FARM LABOR CONTRACTORS	8.0	9.3	9.3
FARM MANAGEMENT SERVICES	1.9	1.9	1.4

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 3-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
SOUTH COAST REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	264.71	278.76	276.05
TOTAL AGRICULTURAL PRODUCTION/CROPS	271.77	287.97	289.28
VEGETABLES AND MELONS	326.34	309.85	310.31
TOTAL FRUITS AND TREE NUTS	214.27	263.86	272.82
BERRIES	181.49	238.85	203.60
CITRUS FRUITS	288.43	289.38	268.42
OTHER FRUITS AND NUTS	251.29	275.02	230.12
TOTAL HORTICULTURAL SPECIALTIES	292.11	300.10	299.85
ORNAMENTAL FLORAL & NURSERY	286.65	297.04	296.14
FOOD CROPS GROWN UNDER COVER	360.23	340.30	359.13
GENERAL FARM PRIMARILY CROP	287.96	278.14	277.35
TOTAL AGRIC PRODUCTION/LIVESTOCK	314.10	317.84	343.73
TOTAL AGRICULTURAL SERVICES	239.50	252.04	233.59
CROP SERVICES	279.28	320.78	265.67
HARVEST PRIMARILY BY MACHINE	305.23	307.44	254.74
PREPARATION SVCS FOR MARKET	260.13	328.78	274.34
TOTAL FARM LABOR & MANAGEMENT	224.72	225.79	221.58
FARM LABOR CONTRACTORS	208.61	203.05	213.89
FARM MANAGEMENT SERVICES	290.58	339.59	272.16

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 3-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
SOUTH COAST REGION  
(IN HOURS PER WEEK)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	40.6	42.3	42.6
TOTAL AGRICULTURAL PRODUCTION/CROPS	42.2	44.1	45.7
VEGETABLES AND MELONS	49.0	45.7	45.5
TOTAL FRUITS AND TREE NUTS	35.3	41.1	47.2
BERRIES	33.3	42.5	36.1
CITRUS FRUITS	41.5	42.0	39.3
OTHER FRUITS AND NUTS	36.9	39.8	43.5
TOTAL HORTICULTURAL SPECIALTIES	45.5	46.6	45.5
ORNAMENTAL FLORAL & NURSERY	45.5	47.0	45.7
FOOD CROPS GROWN UNDER COVER	44.2	41.0	42.3
GENERAL FARM PRIMARILY CROP	42.1	42.4	43.0
TOTAL AGRIC PRODUCTION/LIVESTOCK	45.0	43.9	46.2
TOTAL AGRICULTURAL SERVICES	35.8	37.9	34.2
CROP SERVICES	40.3	48.9	39.3
HARVEST PRIMARILY BY MACHINE	42.1	42.0	34.8
PREPARATION SVCS FOR MARKET	39.0	53.2	43.0
TOTAL FARM LABOR & MANAGEMENT	34.1	33.7	32.3
FARM LABOR CONTRACTORS	31.8	31.0	30.6
FARM MANAGEMENT SERVICES	43.5	47.1	43.2

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 3-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
SOUTH COAST REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	6.52	6.59	6.48
TOTAL AGRICULTURAL PRODUCTION/CROPS	6.44	6.53	6.33
VEGETABLES AND MELONS	6.66	6.78	6.82
TOTAL FRUITS AND TREE NUTS	6.07	6.42	5.78
BERRIES	5.45	5.62	5.64
CITRUS FRUITS	6.95	6.89	6.83
OTHER FRUITS AND NUTS	6.81	6.91	5.29
TOTAL HORTICULTURAL SPECIALTIES	6.42	6.44	6.59
ORNAMENTAL FLORAL & NURSERY	6.30	6.32	6.48
FOOD CROPS GROWN UNDER COVER	8.15	8.30	8.49
GENERAL FARM PRIMARILY CROP	6.84	6.56	6.45
TOTAL AGRIC PRODUCTION/LIVESTOCK	6.98	7.24	7.44
TOTAL AGRICULTURAL SERVICES	6.69	6.65	6.83
CROP SERVICES	6.93	6.56	6.76
HARVEST PRIMARILY BY MACHINE	7.25	7.32	7.32
PREPARATION SVCS FOR MARKET	6.67	6.18	6.38
TOTAL FARM LABOR & MANAGEMENT	6.59	6.70	6.86
FARM LABOR CONTRACTORS	6.56	6.55	6.99
FARM MANAGEMENT SERVICES	6.68	7.21	6.30

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

# CENTRAL COAST

## Wage and Salary Employment

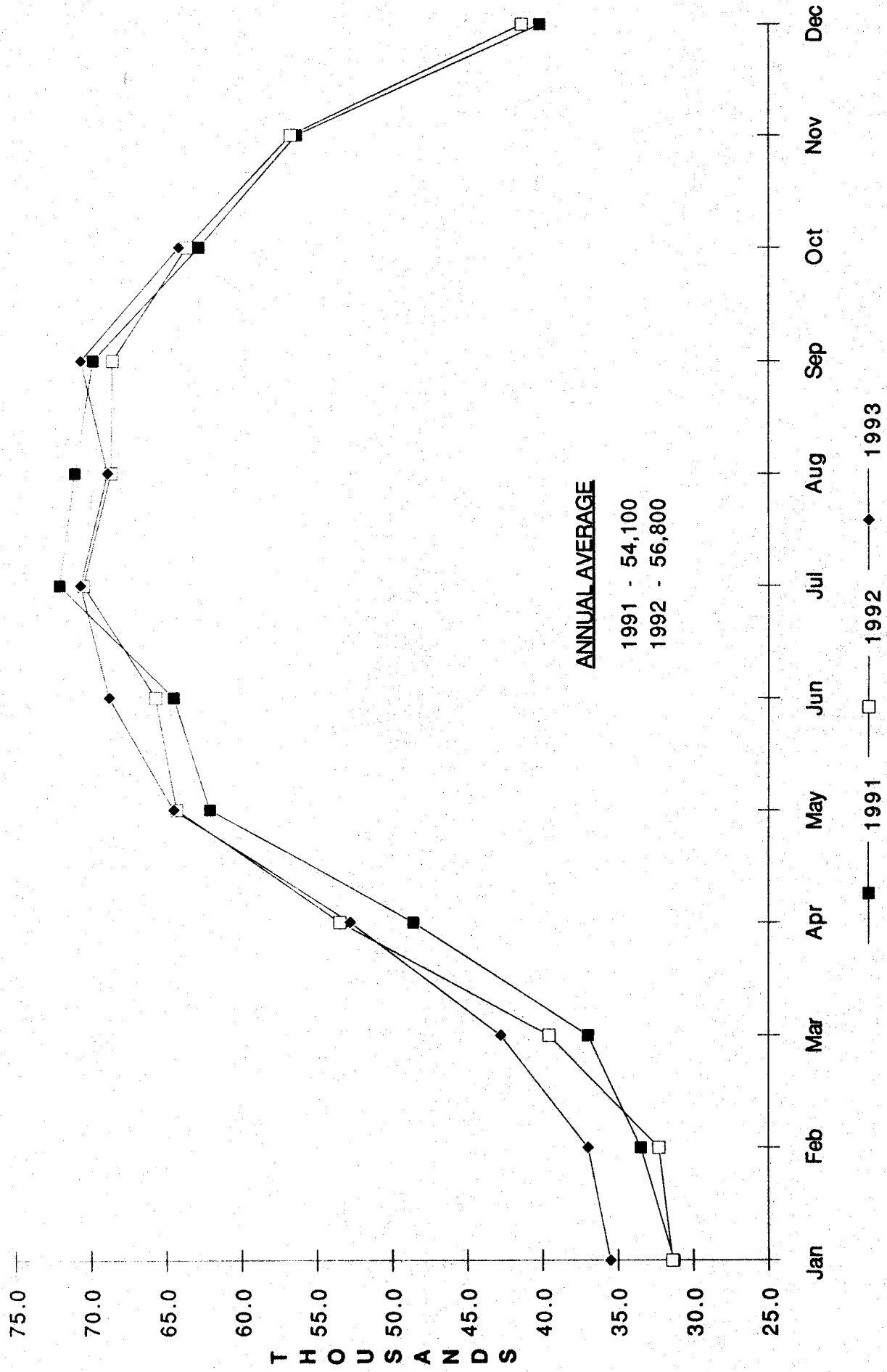


TABLE 4-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
CENTRAL COAST REGION  
(IN THOUSANDS)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	64.2	70.7	63.7
TOTAL AGRICULTURAL PRODUCTION/CROPS	41.4	46.3	40.2
VEGETABLES AND MELONS	16.1	17.3	14.8
TOTAL FRUITS AND TREE NUTS	10.8	14.1	11.2
BERRIES	7.9	9.7	8.4
DECIDUOUS TREE FRUIT	1.3	2.1	1.5
OTHER FRUITS AND NUTS	1.6	2.3	1.3
TOTAL HORTICULTURAL SPECIALTIES	10.0	9.9	10.0
ORNAMENTAL FLORAL & NURSERY	7.8	7.8	7.9
FOOD CROPS GROWN UNDER COVER	2.2	2.1	2.1
GENERAL FARM PRIMARILY CROP	4.5	5.0	4.2
TOTAL AGRIC PRODUCTION/LIVESTOCK	1.0	1.0	1.0
TOTAL AGRICULTURAL SERVICES	21.8	23.4	22.5
CROP SERVICES	13.4	13.7	12.7
HARVEST PRIMARILY BY MACHINE	3.6	3.4	3.3
PREPARATION SVCS FOR MARKET	9.8	10.3	9.4
TOTAL FARM LABOR & MANAGEMENT	8.4	9.7	9.8

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.



TABLE 4-B  
 AGRICULTURAL PRODUCTION WORKERS (1)  
 CENTRAL COAST REGION  
 (IN THOUSANDS)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	59.0	65.4	58.6
TOTAL AGRICULTURAL PRODUCTION/CROPS	37.6	42.3	36.1
VEGETABLES AND MELONS	14.9	16.0	13.4
TOTAL FRUITS AND TREE NUTS	10.4	13.6	10.6
BERRIES	7.8	9.5	8.2
DECIDUOUS TREE FRUIT	1.2	2.0	1.3
OTHER FRUITS AND NUTS	1.4	2.1	1.1
TOTAL HORTICULTURAL SPECIALTIES	8.3	8.3	8.4
ORNAMENTAL FLORAL & NURSERY	6.4	6.4	6.6
FOOD CROPS GROWN UNDER COVER	1.9	1.9	1.8
GENERAL FARM PRIMARILY CROP	4.0	4.4	3.7
TOTAL AGRIC PRODUCTION/LIVESTOCK	0.7	0.7	0.8
TOTAL AGRICULTURAL SERVICES	20.7	22.4	21.7
CROP SERVICES	12.4	12.7	11.9
HARVEST PRIMARILY BY MACHINE	3.4	3.2	3.1
PREPARATION SVCS FOR MARKET	9.0	9.5	8.8
TOTAL FARM LABOR & MANAGEMENT	8.3	9.7	9.8

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 4-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
CENTRAL COAST REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	303.73	311.28	315.46
TOTAL AGRICULTURAL PRODUCTION/CROPS	304.56	308.25	310.99
VEGETABLES AND MELONS	346.05	324.75	323.57
TOTAL FRUITS AND TREE NUTS	249.75	296.76	293.68
BERRIES	237.91	296.88	287.55
DECIDUOUS TREE FRUIT	280.09	286.67	303.51
OTHER FRUITS AND NUTS	288.10	306.85	323.79
TOTAL HORTICULTURAL SPECIALTIES	315.95	318.07	329.23
ORNAMENTAL FLORAL & NURSERY	306.23	306.91	315.29
FOOD CROPS GROWN UNDER COVER	346.41	357.00	380.92
GENERAL FARM PRIMARILY CROP	270.22	268.04	276.59
TOTAL AGRIC PRODUCTION/LIVESTOCK	307.75	315.66	323.83
TOTAL AGRICULTURAL SERVICES	303.03	316.16	321.36
CROP SERVICES	345.69	366.69	326.34
HARVEST PRIMARILY BY MACHINE	319.60	323.21	324.66
PREPARATION SVCS FOR MARKET	354.88	381.35	326.54
TOTAL FARM LABOR & MANAGEMENT	240.34	250.34	315.35

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 4-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
CENTRAL COAST REGION  
(IN HOURS PER WEEK)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	41.1	42.7	42.4
TOTAL AGRICULTURAL PRODUCTION/CROPS	42.3	43.6	44.3
VEGETABLES AND MELONS	45.0	42.9	42.8
TOTAL FRUITS AND TREE NUTS	37.0	43.9	44.7
BERRIES	37.0	46.1	45.0
DECIDUOUS TREE FRUIT	37.0	43.9	45.3
OTHER FRUITS AND NUTS	36.7	34.4	41.3
TOTAL HORTICULTURAL SPECIALTIES	44.5	45.7	45.1
ORNAMENTAL FLORAL & NURSERY	45.1	45.2	45.3
FOOD CROPS GROWN UNDER COVER	42.4	47.6	44.5
GENERAL FARM PRIMARILY CROP	41.7	41.3	47.2
TOTAL AGRIC PRODUCTION/LIVESTOCK	40.6	42.2	44.3
TOTAL AGRICULTURAL SERVICES	39.0	40.9	39.0
CROP SERVICES	41.4	42.1	36.1
HARVEST PRIMARILY BY MACHINE	40.1	40.1	41.2
PREPARATION SVCS FOR MARKET	41.8	42.8	34.3
TOTAL FARM LABOR & MANAGEMENT	35.5	39.3	42.5

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 4-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
CENTRAL COAST REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	7.39	7.29	7.44
TOTAL AGRICULTURAL PRODUCTION/CROPS	7.20	7.07	7.02
VEGETABLES AND MELONS	7.69	7.57	7.56
TOTAL FRUITS AND TREE NUTS	6.75	6.76	6.57
BERRIES	6.43	6.44	6.39
DECIDUOUS TREE FRUIT	7.57	6.53	6.70
OTHER FRUITS AND NUTS	7.85	8.92	7.84
TOTAL HORTICULTURAL SPECIALTIES	7.10	6.96	7.30
ORNAMENTAL FLORAL & NURSERY	6.79	6.79	6.96
FOOD CROPS GROWN UNDER COVER	8.17	7.50	8.56
GENERAL FARM PRIMARILY CROP	6.48	6.49	5.86
TOTAL AGRIC PRODUCTION/LIVESTOCK	7.58	7.48	7.31
TOTAL AGRICULTURAL SERVICES	7.77	7.73	8.24
CROP SERVICES	8.35	8.71	9.04
HARVEST PRIMARILY BY MACHINE	7.97	8.06	7.88
PREPARATION SVCS FOR MARKET	8.49	8.91	9.52
TOTAL FARM LABOR & MANAGEMENT	6.77	6.37	7.42

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

# DESERT

## Wage and Salary Employment

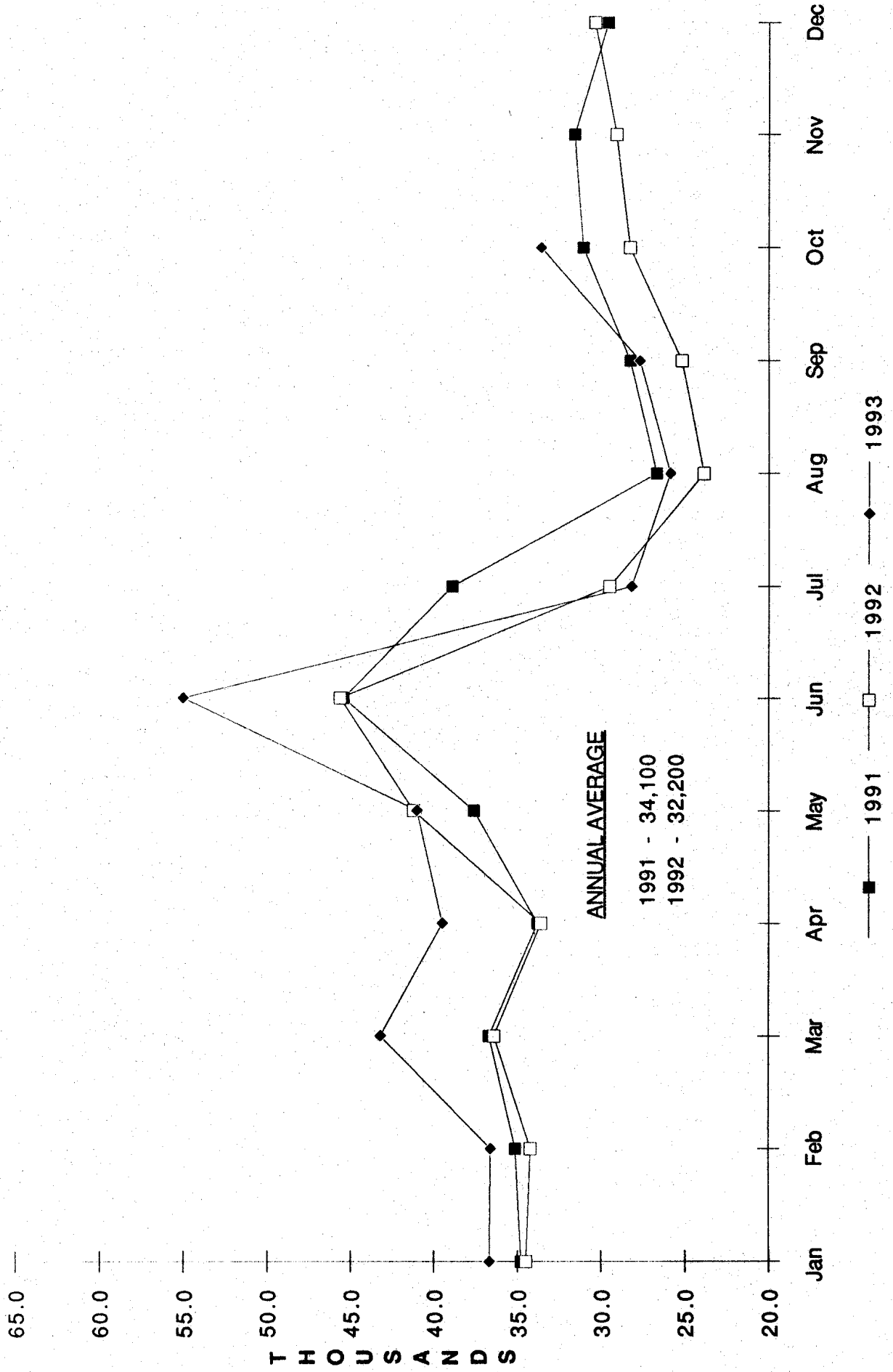


TABLE 5-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
DESERT REGION  
(IN THOUSANDS)

INDUSTRY	SEP 1993	AUG 1993	SEP 1992
TOTAL AGRICULTURAL	27.7	25.9	25.2
TOTAL AGRICULTURAL PRODUCTION/CROPS	11.3	9.6	9.0
FIELD CROPS	1.4	1.4	1.5
VEGETABLES AND MELONS	1.3	1.1	1.4
TOTAL FRUITS AND TREE NUTS	4.5	3.1	3.2
GRAPES	2.3	1.9	1.3
CITRUS FRUITS	1.0	0.5	0.8
OTHER FRUITS AND NUTS	1.2	0.7	1.1
HORTICULTURAL SPECIALTIES	0.8	0.8	0.9
GENERAL FARM PRIMARILY CROP	3.3	3.2	2.0
TOTAL AGRIC PRODUCTION/LIVESTOCK	5.4	5.3	5.4
DAIRY FARMS	2.5	2.5	2.6
CHICKEN EGGS	1.2	1.2	1.2
OTHER LIVESTOCK	1.7	1.6	1.6
TOTAL AGRICULTURAL SERVICES	11.0	11.0	10.8
CROP SERVICES	5.3	5.2	4.7
PLANT CULTIVATE & PROTECTION	0.7	0.7	0.7
HARVEST PRIMARILY BY MACHINE	0.7	0.8	0.8
PREPARATION SVCS FOR MARKET	3.9	3.7	3.2
TOTAL FARM LABOR & MANAGEMENT	5.7	5.8	6.1

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 5-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
DESERT REGION  
(IN THOUSANDS)

INDUSTRY	SEP 1993	AUG 1993	SEP 1992
TOTAL AGRICULTURAL	25.4	23.5	22.8
TOTAL AGRICULTURAL PRODUCTION/CROPS	10.2	8.5	8.0
FIELD CROPS	1.2	1.2	1.3
VEGETABLES AND MELONS	1.2	1.0	1.3
TOTAL FRUITS AND TREE NUTS	4.2	2.8	3.0
GRAPES	2.2	1.8	1.2
CITRUS FRUITS	0.9	0.4	0.7
OTHER FRUITS AND NUTS	1.1	0.6	1.1
HORTICULTURAL SPECIALTIES	0.6	0.6	0.7
GENERAL FARM PRIMARILY CROP	3.0	2.9	1.7
TOTAL AGRIC PRODUCTION/LIVESTOCK	4.7	4.6	4.7
DAIRY FARMS	2.3	2.3	2.5
CHICKEN EGGS	0.9	0.9	0.8
OTHER LIVESTOCK	1.5	1.4	1.4
TOTAL AGRICULTURAL SERVICES	10.5	10.4	10.1
CROP SERVICES	4.9	4.7	4.2
PLANT CULTIVATE & PROTECTION	0.6	0.6	0.5
HARVEST PRIMARILY BY MACHINE	0.7	0.7	0.7
PREPARATION SVCS FOR MARKET	3.6	3.4	3.0
TOTAL FARM LABOR & MANAGEMENT	5.6	5.7	5.9

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 5-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
DESERT REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	SEP 1993	AUG 1993	SEP 1992
TOTAL AGRICULTURAL	305.54	307.56	289.43
TOTAL AGRICULTURAL PRODUCTION/CROPS	301.30	315.02	285.29
FIELD CROPS	309.92	315.32	316.88
VEGETABLES AND MELONS	317.76	311.58	306.28
TOTAL FRUITS AND TREE NUTS	255.57	272.28	242.90
GRAPES	244.49	269.20	269.64
CITRUS FRUITS	313.91	287.64	265.30
OTHER FRUITS AND NUTS	227.96	270.67	196.70
HORTICULTURAL SPECIALTIES	324.95	347.77	273.56
GENERAL FARM PRIMARILY CROP	349.12	351.67	326.66
TOTAL AGRIC PRODUCTION/LIVESTOCK	391.88	432.30	387.53
DAIRY FARMS	472.37	521.91	455.53
CHICKEN EGGS	304.14	315.28	298.53
OTHER LIVESTOCK	318.96	354.47	319.38
TOTAL AGRICULTURAL SERVICES	271.09	245.36	246.14
CROP SERVICES	280.96	262.61	244.83
PLANT CULTIVATE & PROTECTION	331.18	317.50	323.38
HARVEST PRIMARILY BY MACHINE	296.87	201.47	197.16
PREPARATION SVCS FOR MARKET	269.61	266.07	243.21
TOTAL FARM LABOR & MANAGEMENT	262.51	231.86	247.27

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.



TABLE 5-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
DESERT REGION  
(IN HOURS PER WEEK)

INDUSTRY	SEP 1993	AUG 1993	SEP 1992
TOTAL AGRICULTURAL	44.8	44.0	42.5
TOTAL AGRICULTURAL PRODUCTION/CROPS	46.0	46.6	44.3
FIELD CROPS	48.5	49.5	46.6
VEGETABLES AND MELONS	51.5	49.3	52.0
TOTAL FRUITS AND TREE NUTS	38.9	40.7	37.6
GRAPES	37.1	40.0	42.0
CITRUS FRUITS	40.4	42.3	34.1
OTHER FRUITS AND NUTS	41.0	41.9	35.0
HORTICULTURAL SPECIALTIES	42.7	44.7	38.1
GENERAL FARM PRIMARILY CROP	53.3	50.6	51.2
TOTAL AGRIC PRODUCTION/LIVESTOCK	48.5	52.4	48.2
DAIRY FARMS	51.4	55.7	47.9
CHICKEN EGGS	48.2	51.6	49.1
OTHER LIVESTOCK	44.3	47.2	48.1
TOTAL AGRICULTURAL SERVICES	41.9	38.1	38.4
CROP SERVICES	43.9	42.7	38.8
PLANT CULTIVATE & PROTECTION	58.0	55.8	53.1
HARVEST PRIMARILY BY MACHINE	42.9	35.1	31.0
PREPARATION SVCS FOR MARKET	41.8	42.1	38.3
TOTAL FARM LABOR & MANAGEMENT	40.2	34.4	38.1

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 5-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
DESERT REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	SEP 1993	AUG 1993	SEP 1992
TOTAL AGRICULTURAL	6.82	6.99	6.81
TOTAL AGRICULTURAL PRODUCTION/CROPS	6.55	6.76	6.44
FIELD CROPS	6.39	6.37	6.80
VEGETABLES AND MELONS	6.17	6.32	5.89
TOTAL FRUITS AND TREE NUTS	6.57	6.69	6.46
GRAPES	6.59	6.73	6.42
CITRUS FRUITS	7.77	6.80	7.78
OTHER FRUITS AND NUTS	5.56	6.46	5.62
HORTICULTURAL SPECIALTIES	7.61	7.78	7.18
GENERAL FARM PRIMARILY CROP	6.55	6.95	6.38
TOTAL AGRIC PRODUCTION/LIVESTOCK	8.08	8.25	8.04
DAIRY FARMS	9.19	9.37	9.51
CHICKEN EGGS	6.31	6.11	6.08
OTHER LIVESTOCK	7.20	7.51	6.64
TOTAL AGRICULTURAL SERVICES	6.47	6.44	6.41
CROP SERVICES	6.40	6.15	6.31
PLANT CULTIVATE & PROTECTION	5.71	5.69	6.09
HARVEST PRIMARILY BY MACHINE	6.92	5.74	6.36
PREPARATION SVCS FOR MARKET	6.45	6.32	6.35
TOTAL FARM LABOR & MANAGEMENT	6.53	6.74	6.49

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.

# SACRAMENTO

## Wage and Salary Employment

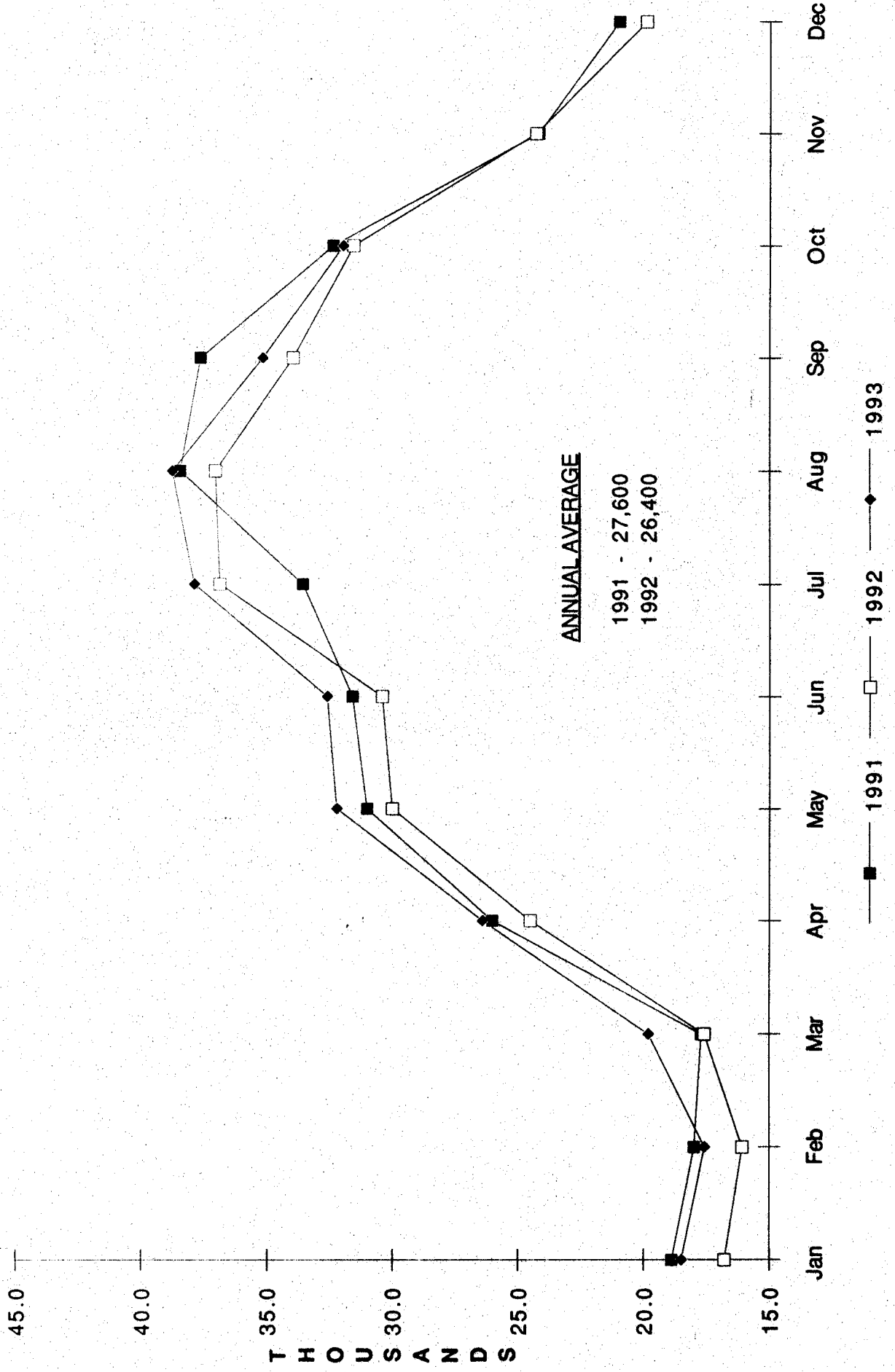


TABLE 6-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
SACRAMENTO VALLEY REGION  
(IN THOUSANDS)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	32.0	35.2	31.6
TOTAL AGRICULTURAL PRODUCTION/CROPS	24.4	25.8	23.6
RICE	2.0	1.7	1.7
VEGETABLES AND MELONS	1.7	2.8	1.9
TOTAL FRUIT AND TREE NUTS	10.4	11.5	9.2
TREE NUTS	2.5	2.5	2.4
DECIDUOUS TREE FRUIT	5.3	6.2	4.1
OTHER FRUITS AND NUTS	2.6	2.8	2.7
HORTICULTURAL SPECIALTIES	3.7	1.6	4.2
GENERAL FARM PRIMARILY CROP	6.6	8.2	6.6
TOTAL AGRIC PRODUCTION/LIVESTOCK	2.1	2.1	2.3
TOTAL AGRICULTURAL SERVICES	5.5	7.3	5.7
CROP SERVICES	3.0	3.0	3.2
HARVEST PRIMARILY BY MACHINE	1.0	1.3	1.0
PREPARATION SVCS FOR MARKET	2.0	1.7	2.2
TOTAL FARM LABOR & MANAGEMENT	2.5	4.3	2.5

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

TABLE 6-B  
AGRICULTURAL PRODUCTION WORKERS (1)  
SACRAMENTO VALLEY REGION  
(IN THOUSANDS)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	29.0	32.3	28.6
TOTAL AGRICULTURAL PRODUCTION/CROPS	22.4	23.6	21.6
RICE	1.8	1.5	1.4
VEGETABLES AND MELONS	1.6	2.6	1.7
TOTAL FRUIT AND TREE NUTS	9.6	10.7	8.6
TREE NUTS	2.4	2.4	2.3
DECIDUOUS TREE FRUIT	4.7	5.7	3.7
OTHER FRUITS AND NUTS	2.5	2.6	2.6
HORTICULTURAL SPECIALTIES	3.4	1.3	3.9
GENERAL FARM PRIMARILY CROP	6.0	7.5	6.0
TOTAL AGRIC PRODUCTION/LIVESTOCK	1.7	1.9	2.0
TOTAL AGRICULTURAL SERVICES	4.9	6.8	5.0
CROP SERVICES	2.5	2.5	2.6
HARVEST PRIMARILY BY MACHINE	0.8	1.1	0.7
PREPARATION SVCS FOR MARKET	1.7	1.4	1.9
TOTAL FARM LABOR & MANAGEMENT	2.4	4.3	2.4

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 6-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
SACRAMENTO VALLEY REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	295.61	297.05	292.48
TOTAL AGRICULTURAL PRODUCTION/CROPS	295.81	302.78	294.35
RICE	409.50	367.95	465.90
VEGETABLES AND MELONS	355.61	377.23	395.37
TOTAL FRUIT AND TREE NUTS	264.91	262.98	252.74
TREE NUTS	267.30	317.26	286.23
DECIDUOUS TREE FRUIT	292.91	255.63	242.53
OTHER FRUITS AND NUTS	208.69	230.15	236.74
HORTICULTURAL SPECIALTIES	280.85	315.50	274.55
GENERAL FARM PRIMARILY CROP	305.56	318.38	298.40
TOTAL AGRIC PRODUCTION/LIVESTOCK	316.06	285.71	312.94
TOTAL AGRICULTURAL SERVICES	287.98	280.42	275.22
CROP SERVICES	351.29	309.34	295.49
HARVEST PRIMARILY BY MACHINE	362.94	300.80	310.34
PREPARATION SVCS FOR MARKET	345.50	316.73	289.73
TOTAL FARM LABOR & MANAGEMENT	223.86	263.47	253.43

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 6-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
SACRAMENTO VALLEY REGION  
(IN HOURS PER WEEK)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	45.2	48.3	45.7
TOTAL AGRICULTURAL PRODUCTION/CROPS	45.3	48.6	46.5
RICE	50.0	47.6	58.9
VEGETABLES AND MELONS	44.9	54.2	53.5
TOTAL FRUIT AND TREE NUTS	44.9	44.8	43.5
TREE NUTS	42.7	50.2	47.0
DECIDUOUS TREE FRUIT	49.9	43.4	42.4
OTHER FRUITS AND NUTS	37.4	43.1	41.9
HORTICULTURAL SPECIALTIES	41.0	45.2	42.5
GENERAL FARM PRIMARILY CROP	47.3	52.8	48.6
TOTAL AGRIC PRODUCTION/LIVESTOCK	47.6	42.9	47.2
TOTAL AGRICULTURAL SERVICES	43.9	48.6	41.7
CROP SERVICES	45.8	41.3	43.2
HARVEST PRIMARILY BY MACHINE	44.1	40.0	41.6
PREPARATION SVCS FOR MARKET	46.5	42.4	43.7
TOTAL FARM LABOR & MANAGEMENT	42.0	52.8	40.1

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 6-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
SACRAMENTO VALLEY REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	6.54	6.15	6.40
TOTAL AGRICULTURAL PRODUCTION/CROPS	6.53	6.23	6.33
RICE	8.19	7.73	7.91
VEGETABLES AND MELONS	7.92	6.96	7.39
TOTAL FRUIT AND TREE NUTS	5.90	5.87	5.81
TREE NUTS	6.26	6.32	6.09
DECIDUOUS TREE FRUIT	5.87	5.89	5.72
OTHER FRUITS AND NUTS	5.58	5.34	5.65
HORTICULTURAL SPECIALTIES	6.85	6.98	6.46
GENERAL FARM PRIMARILY CROP	6.46	6.03	6.14
TOTAL AGRIC PRODUCTION/LIVESTOCK	6.64	6.66	6.63
TOTAL AGRICULTURAL SERVICES	6.56	5.77	6.60
CROP SERVICES	7.67	7.49	6.84
HARVEST PRIMARILY BY MACHINE	8.23	7.52	7.46
PREPARATION SVCS FOR MARKET	7.43	7.47	6.63
TOTAL FARM LABOR & MANAGEMENT	5.33	4.99	6.32

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.



# NORTH COAST

## Wage and Salary Employment

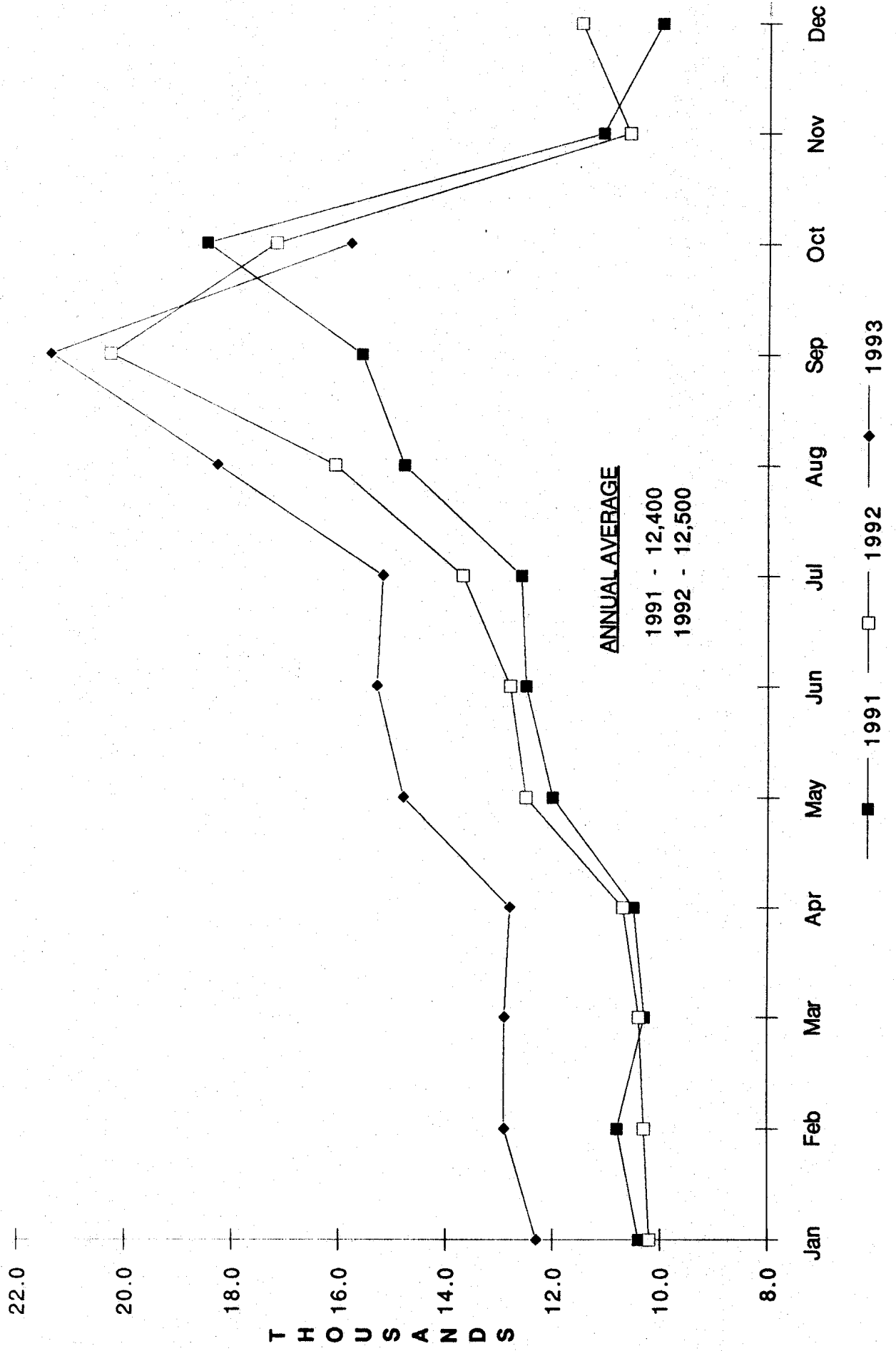


TABLE 7-A  
WAGE AND SALARY WORKERS IN AGRICULTURAL ESTABLISHMENTS (1)  
NORTH COAST REGION  
(IN THOUSANDS)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	15.8	21.4	17.2
TOTAL AGRICULTURAL PRODUCTION/CROPS	11.9	16.0	12.9
TOTAL FRUITS AND TREE NUTS	9.4	13.3	10.7
GRAPES	7.8	11.0	9.2
OTHER FRUITS AND NUTS	1.6	2.3	1.5
TOTAL HORTICULTURAL SPECIALTIES	1.7	1.8	1.5
GENERAL FARM PRIMARILY CROP (2)	0.8	0.9	0.7
TOTAL AGRIC PRODUCTION/LIVESTOCK	2.0	2.0	2.0
TOTAL AGRICULTURAL SERVICES	1.9	3.4	2.3

(1) WAGE AND SALARY WORKERS ARE ALL EMPLOYEES RECEIVING COMPENSATION FROM AGRICULTURAL EMPLOYERS.

(2) INSUFFICIENT SAMPLE TO SUPPORT PRODUCTION WORKER, HOURS, OR EARNINGS ESTIMATES

TABLE 7-B  
 AGRICULTURAL PRODUCTION WORKERS (1)  
 NORTH COAST REGION  
 (IN THOUSANDS)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	13.0	18.3	14.1
TOTAL AGRICULTURAL PRODUCTION/CROPS	9.7	13.3	10.3
TOTAL FRUITS AND TREE NUTS	7.5	11.0	8.4
GRAPES	6.0	8.9	7.0
OTHER FRUITS AND NUTS	1.5	2.1	1.4
TOTAL HORTICULTURAL SPECIALTIES	1.4	1.4	1.2
TOTAL AGRIC PRODUCTION/LIVESTOCK	1.7	1.8	1.7
TOTAL AGRICULTURAL SERVICES	1.6	3.2	2.1

(1) PRODUCTION WORKERS ARE EMPLOYEES ENGAGED IN COMMODITY PRODUCTION. EXCLUDED ARE MANAGERS, SUPERVISORS, OFFICE, SALES AND OTHER STAFF NOT INVOLVED IN PRODUCTION.

TABLE 7-C  
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS (1)  
NORTH COAST REGION  
(IN DOLLARS PER WEEK)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	264.70	284.58	279.24
TOTAL AGRICULTURAL PRODUCTION/CROPS	254.39	285.72	286.46
TOTAL FRUITS AND TREE NUTS	246.79	282.66	284.58
GRAPES	262.19	290.79	289.62
OTHER FRUITS AND NUTS	186.65	251.92	260.43
TOTAL HORTICULTURAL SPECIALTIES	273.93	281.18	307.97
TOTAL AGRIC PRODUCTION/LIVESTOCK	284.93	297.47	290.05
TOTAL AGRICULTURAL SERVICES	304.38	275.01	236.80

(1) AVERAGE WEEKLY EARNINGS INCLUDE OVERTIME PAY AND PREMIUM WAGES. THESE ARE GROSS EARNINGS BEFORE DEDUCTIONS AND EXCLUDE THE VALUE OF HOUSING AND MEALS.

TABLE 7-D  
AVERAGE HOURS WORKED BY PRODUCTION WORKERS (1)  
NORTH COAST REGION  
(IN HOURS PER WEEK)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	35.2	37.2	38.2
TOTAL AGRICULTURAL PRODUCTION/CROPS	34.1	37.3	38.4
TOTAL FRUITS AND TREE NUTS	31.2	35.2	37.2
GRAPES	31.4	34.7	36.8
OTHER FRUITS AND NUTS	30.8	37.6	39.4
TOTAL HORTICULTURAL SPECIALTIES	39.7	40.4	40.1
TOTAL AGRIC PRODUCTION/LIVESTOCK	42.4	44.8	44.9
TOTAL AGRICULTURAL SERVICES	34.2	32.7	32.0

(1) AVERAGE HOURS ARE BASED ON FULL-TIME AND PART-TIME PRODUCTION WORKER DATA.

TABLE 7-E  
AVERAGE HOURLY EARNINGS OF PRODUCTION WORKERS (1)  
NORTH COAST REGION  
(IN DOLLARS PER HOUR)

INDUSTRY	OCT 1993	SEP 1993	OCT 1992
TOTAL AGRICULTURAL	7.52	7.65	7.31
TOTAL AGRICULTURAL PRODUCTION/CROPS	7.46	7.66	7.46
TOTAL FRUITS AND TREE NUTS	7.91	8.03	7.65
GRAPES	8.35	8.38	7.87
OTHER FRUITS AND NUTS	6.06	6.70	6.61
TOTAL HORTICULTURAL SPECIALTIES	6.90	6.96	7.68
TOTAL AGRIC PRODUCTION/LIVESTOCK	6.72	6.64	6.46
TOTAL AGRICULTURAL SERVICES	8.90	8.41	7.40

(1) AVERAGE HOURLY EARNINGS ARE NOT HOURLY WAGE RATES; THEY ARE GROSS EARNINGS OF FULL-TIME AND PART-TIME PRODUCTION WORKERS DIVIDED BY TOTAL HOURS FOR PRODUCTION WORKERS.